



TEST REPORT

Client: Gabriel
Hjulgagervej 55
Postbox 59
DK-9100 Aalborg
Denmark

Entry No: 101075-03

Date received: 25/07/2018

Client's Description: Sample of fabric: Event Screen, Colour: 60004

Test Required: Abrasion, Pilling, Tensile Strength, Tear Resistance and Seam Slippage in accordance with BS EN 14465. Colour Fastness to Rubbing with Organic Solvents, Colour Fastness to Dry Cleaning, Colour Fastness to Perspiration, Colour Fastness to Water, Colour Fastness to Water Spotting^S and Stretch and Recovery^S

Conditioning: In accordance with BS EN ISO 139: 2005 for a minimum of 24 hours at 65+/-4%, Relative Humidity, 20+/-2°C

Date Tests Completed: 23/08/2018

Abrasion Resistance: BS EN ISO 12947-2: 2016^F

The tests were carried out using a pressure of 12 +/- 0.3 kPa
The criterion for judging end point was three threads broken

Specimen 1	110,000 rubs
Specimen 2	110,000 rubs
Specimen 3	120,000 rubs
Specimen 4	120,000 rubs
Overall Result	110,000 rubs

Change in colour after 6,000 rubs: **4-5**

Observation Technique: 10 fold magnification
Type of Fabric: Flat Woven

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This is hereby certified to be a correct return of the tests made of the items referred to herein

Vivienne Brockbank
Technician
26 August 2018

- ❖ Unless instructed otherwise by the client sample remnants will be disposed of after 28 days.
 - ❖ Tests marked ^N in this certificate are not included in the UKAS Accreditation Schedule for this Laboratory.
 - ❖ Tests marked ^F in this certificate are performed under the Laboratory's Flexible Scope of Accreditation.
 - ❖ Tests marked ^S in this certificate have been subcontracted to another ISO17025 Accredited Laboratory.
 - ❖ Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
 - ❖ Uncertainty budgets for test methods contained within this report are available on request.
- This Certificate relates only to the sample received and, unless that sample has been drawn by the staff of this laboratory, or its agent, and endorsed accordingly, any application of the result to a bulk quantity or other material is entirely the responsibility of the client.



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Pilling: BS EN ISO 12945-2: 2000 Load 415g

	<u>Rating</u>
After 2,000 rubs	5
After 5,000 rubs	5

Tensile Strength: BS EN ISO 13934-1: 2013

Warp Way	1900 N
Weft Way	1800 N

Tear Resistance: BS EN ISO 13937-3: 2000

Torn across Warp	109 N
Torn across Weft	101 N

Seam Slippage: BS EN ISO 13936-2: 2004

	<u>Mean Seam opening</u>
Warp Way Seam	3 mm
Weft Way Seam	4 mm

Colour Fastness to Rubbing with Organic Solvents: BS EN ISO 105-D02: 2016^F

Staining:		<u>Tetrachloroethylene</u>	<u>White Spirit</u>
	Length Way	5	5
	Width Way	5	5
Change in colour:		<u>Tetrachloroethylene</u>	<u>White Spirit</u>
	Length Way	5	5
	Width Way	5	5

Colour Fastness to Dry Cleaning: BS EN ISO 105-D01: 2010

Staining on:	Acetate	5
	Cotton	5
	Nylon 6.6	4-5
	Polyester	5
	Acrylic	5
Change in Colour	Wool	4-5
		5

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Colour Fastness to Perspiration: BS EN ISO 105–E04: 2013

Staining on:	Acid	Alkali
Acetate	5	5
Cotton	5	5
Nylon 6.6	5	5
Polyester	5	5
Acrylic	5	5
Wool	5	5
Change in Colour	5	5

Colour Fastness to Water: BS EN ISO 105–E01: 2013

Staining on:	Acetate	5
	Cotton	5
	Nylon 6.6	5
	Polyester	5
	Acrylic	5
	Wool	5
	Change in Colour	5

Colour Fastness to Water Spotting: BS EN ISO 105–E16:2007^S

	Grade
Inner circle of tested area:	5
Outer periphery of tested area:	5
Cross staining	n/a
Change in appearance	5

Stretch & Recovery: BS EN ISO 14704-1: 2005 Method A Load 27.5N^S

Time @ full extension	1 Min & 30 Mins	
	1 Min	30 Mins
Length		
Average % Recovery	100%	100%
Average % Residual Extension	0%	0%
Average % Stretch	12.92%	
Width		
Average % Recovery	100%	100%
Average % Residual Extension	0%	0%
Average % Stretch	6.60%	

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